

JAPANESE PATENT OFFICE -- Patent Abstracts of Japan

Publication Number: 01142537 A

Date of Publication: 1989.06.05

Int. Class: G02F 1/19

Date of Filing: 1987.11.28

Applicant: NIPPON MEKTRON LTD
Inventor: TADAKUMA AKIRA
MORI TAKASHI
INOUE OSAMU
AKATSUKA TAKATOSHI
ELECTROPHORETIC DISPLAY DEVICE
AND PRODUCTION THEREOF

Abstract:

PURPOSE: To enable the rapid, easy, and sure sealing treatment of a dispersion system by interposing an elastic porous sheet between electrodes and enabling the sealing treatment of the dispersion system into the pores of the porous sheet to be simultaneously executed during tentative assembly in the state of dispersing the same into a dispersion system liquid.

CONSTITUTION: An assembly formed by providing an end part spacer 3 and the elastic porous sheet 4 on one transparent electrode 2 is immersed in the dispersion system liquid to fill the dispersion system 5 into the respective pores of the elastic porous sheet 4. The other transparent electrode 2 is superposed in this immersed state on the spacer 3 and the porous sheet 4 and the two transparent members 1 are so mechanically clamped that this tentative assembly state can be maintained. The assembly is then taken out of the dispersion system liquid and an adhesive sealing material 6 is coated on the outside circumferential end and is dried. Finally, the clamp is removed, by which the dispersion system 5 filled in the spacing between the two transparent electrodes 2 is discontinuously divided to many small areas by the elastic porous sheet 4. The treatment to seal the dispersion system uniformly into the many through-

holes of the small areas formed by the porous spacer is thereby executed.

COPYRIGHT: (C)1989,JPO & Japio

